```
Sequence 1, Appli
Sequence 1, Appli
Sequence 16, Appl
Sequence 16, Appl
Sequence 16, Appl
Sequence 10, Appl
Sequence 2, Appli
Sequence 2, Appli
Sequence 3, Appli
Sequence 5, Appli
Sequence 5, Appli
Sequence 15, Appl
Sequence 15, Appli
Sequence 15, Appli
Sequence 3, Appli
                                                                                                                                                                                                  February 16, 2003, 16:40:39 ; Search time 35.9379 Seconds
  (without alignments)
  11981.069 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 2, Appli
Sequence 1, Appli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                                                                                US-09-497-967-5
1404
1 atgaagaacaacatcctggt......tgatctcttactacctgctg 1404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Issued_Patents_NA:*

(cgn2_6/ptodata/1/ina/5A_COMB.seq:*

(cgn2_6/ptodata/1/ina/5B_COMB.seq:*

(cgn2_6/ptodata/1/ina/6A_COMB.seq:*

(cgn2_6/ptodata/1/ina/6B_COMB.seq:*

(cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

(cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*

(cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-943-731-11

US-08-943-731-11

US-08-818-112-16

US-09-056-556-16

US-09-613-182-10

US-09-613-182-10

US-09-613-182-10

US-09-115-446-1

US-09-115-446-1

US-09-103-846-5

US-09-103-846-5

US-09-103-846-15

US-09-103-846-15

US-09-103-846-15

US-09-103-846-15

US-09-103-674-15

US-09-103-674-15

US-09-103-674-15

US-09-103-674-15

US-09-103-846-13

US-08-103-846-13

US-08-103-846-13

US-08-103-846-13

US-08-103-846-13

US-08-103-13-13

US-08-103-13-13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-103-840A-2
US-09-103-840A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    441362 seqs, 153338381 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SUMMARIES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                   OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      length: 0
length: 2000000000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query
Match Length DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .7 4403765
.7 4411529
.7 18609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sed
                                                                                                                                                                                                                                                                                                                                                Title:
Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \begin{array}{c} \mathbf{u} \ \mathbf{
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            33555555
35555555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Minimum DB 8
Maximum DB 8
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Database
                                                                                                                                                                                                      Run on:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Š.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  O
```

Sequence 15, Appl Sequence 2, Appl Sequence 2, Appl Sequence 3, Appl Sequence 3, Appl Sequence 3, Appl Sequence 1, Appl Sequence 1, Appl Sequence 1, Appl Sequence 1, Appl Sequence 2, Appl Sequence 2, Appl Sequence 2, Appl Sequence 23, Appl Sequence 23, Appl Sequence 26, Appl Sequence 26, Appl Sequence 26, Appl	is in mycobacterium	Length 4403765;  Indels 0; Gaps 0;  CCCAGTGTAACGTGAA 281    GGGCCGAACAGCCCGC 335476  CTGCTATCATCACCCG 341  AACCGCCATGCCGC 335356  AACTCAACGCTGAAC 401
US-08-993-674A-15 US-09-256-976-15 US-08-816-105A-2 US-08-923-867-1 US-09-193-134-1 US-09-193-134-1 US-09-492-581-3 US-09-492-581-3 US-09-492-581-1 US-09-492-581-1 US-09-101-135-1 US-09-303-064-23 US-09-308-503-23 US-09-308-503-23 US-09-308-503-23 US-09-308-503-26 US-09-308-503-26 US-09-308-503-26 US-09-308-503-26 US-09-308-503-26	ALIGNMENTS 40A 5 FOR STRAIN ANALYS 5 9/103,840A 108is various positions t, c or 9	Score 38.2; DB 4; Pred. No. 6.5; 0; Mismatches 183; CCTGCTACCGCTAACCTGGTGA GCGCTGCCGCCTTCCCGCCT GCTGAGGAGCTTCCCGCCTTCCCGCCTTCCCCCCTTCCCCCCTTCCCCCC
21144 2582 2582 2582 2582 2994 1026 4 1026 4 1026 4 11268 4 11648 4 175 4 175 4 175 4 175 4 175 4 175 4 175 4 175 4 175 5 175 6 175 7 175 8 175 8 175 8 175 8 175 8 175 8 175 8 175 8 175 8 175 175 175 175 175 175 175 175 175 175	tion US/091038  Tan, Robert D. Claire M. Colaire M. John C. DNA SEQUENCE TUBERCULOSI 66-20007.00 11998-06-24 IS: 2 Ver. 2.1  CCC 1551 "m" bases at represent a,	2.7%; 44.7%; vative.7%; cctaacccr
	Sattler Core	Similarity Similarity Similarity Similarity Conservat GGGGGGCTCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG
	SSULT 109-103-840A-2 Sequence 2. Applica Patent No. 6294328 GENERAL INFORMATION APPLICANT: FLEISCH APPLICANT: FRASER APPLICANT: FRASER APPLICANT: FRASER APPLICANT: PRASER APPLICANT: PRASER APPLICANT: APPLICATION TITLE OF INVENTION CURRENT APPLICATION CURRENT FILING DATI UNDABER OF SEQ ID NO SOFTWARE: PATONES DATOR ORGANISM: MYCODAC' FRATURE: OTHER INFORMATION OTHER INFORMATION OTHER INFORMATION OTHER INFORMATION OTHER INFORMATION	Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma Ma M
00000000000000000000000000000000000000		ery str tch 354 354 355 355 355 355 355
00 00000000 000000	N S C C C C C C C C C C C C C C C C C C	

```
INVENTION: ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES
                                                                                                                                                                                                                                 IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-965-1284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 18609 base pairs
TYPE: nucleic acid
                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: 831-494
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                        CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 215-965-12
TELEFAX: 215-567-2991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          single
                                                                                                                                                                                                                                                                                                                                                               PRIOR APPLICATION DATA:
       TITLE OF INVENTION: ALS
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
                                                                                                                   PHILADELPHIA
                                                                                                                                                                                                                                                       OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Matches 110; Conserv
                                                                                                                                                                          19103-7086
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic
STRANDEDNESS:
                                                                                                                                                            USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                     COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-818-112-16
                                                                                                                                                                                                                                                                        SOFTWARE:
                                                                                                                                                         COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-943-731-1
                                                                                                                                         STATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    δλ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Qγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QΩ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Db 335489 receeecceaccearcecearcecearcecegrescancececececececececee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DD 335549 CGCCGCCCGCCCGCCGAGTGCACTGCGCGTCGTCGTGAATCCGCCGCCCCCCCGCCGAGTCCGG 335608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DD 335309 CGCCGGCGACCAGGCTGTGTCCCCGCCTTCCCCGCCTGCCCCGACACCCCCC 335368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        282 GIGICCIGCIGGAACCGCIAICGCIGGAGGAGCIACCGACIACGCIGCIAICAICACCGA 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               342 GIGIGIGAACTGICGCATCAACTICTACAACGAGAACGCTCCIAACTICAACGCIGGAGC 401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 462 TGCTACCATCGTGGCTCAGTGTAACGTGGCTTGTCCTACCGGAACCGCTCTGGACGACGG 521
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          402 ITCIACCIGIACCGCTIGICCIGIGAACCGCGIGGGAGGAGCICIGACCGCIGGAAACGC 461
                                                                                                                                                                                                            APPLICANT: WHITE, Owen R.
APPLICANT: WHITE, Owen R.
APPLICANT: VENTER, Claire M.
APPLICANT: VENTER, John C.
TITLE OF INVENTION: TUBBECULOSIS
FILE REFERENCE: 24366-20007.00
CURRENT APPLICATION NUMBER: US/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  222 CGCTGGAGCTCAGCCTAACCCTCCTGCTACCGCTAACCTGGTGACCCAGTGTAACGTGAA 281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 4; Length 4411529;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COLIGE, ALAIN
COLIGE, ALAIN
EARLY, JAMES
KORKKO, JARMO
ALA-KOKKO, LEENA, et al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 38.2; DB 4;
Pred. No. 6.5;
0; Mismatches 183;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Db 335609 CGGCGCCGAAGACCAGGCCGGCGTTGCCGCC 335639
                                                    Db 335717 CGGCGCCGAAGAGCAGGCCGGCGTTGCCGCC 335747
               522 AGTGACCACCGACTACGTGCGCTCTTTCACC 552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             522 AGTGACCACCGACTACGTGCGCTCTTTCACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ο.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SPOTILA, LORETTA D.
DELTAS, CONSTANTINOS D
SEREDA, LARISA
LARSON, ANDREA W.
                                                                                                                                             Sequence 1, Application US/09103840A Patent No. 6294328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-943-731-1/c
; Sequence 1, Application US/08943731
; Patent No. 6265157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PROCKOP, DARWIN J.
                                                                                                                                                                                                          APPLICANT: FLEISCHMAN, Robert D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 44.7%;
Matches 148; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PACK, MICHAEL
                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTHER INFORMATION: H37Rv US-09-103-840A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
                                                                                                                                                                                          GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 4411529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                               RESULT 2
US-09-103-840A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT
                                                                                                                                                                                                                                                                                                                                                                                                                    ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         οy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                οy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          δy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 δλ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            δ
                     ò
```

```
6351 TCGGGGACACTTACAGCAGGCCCAGCAGCACCAGGGCCAGGGGGGCCAGGCTCACCA 6292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      590 GAAACAACGGAAACACCCCTTTCAACCCTGGAAAGTCTCAGTGTACCCCTTGTCCTGCTA 649
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          470 TCGTGGCTCAGTGTAACGTGGCTTGTCCTACCGGAACCGCTCTGGACGACGGAGTGACCA 529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          530 CCGACTACGTGCGCTCTTTCACCGAGTGTGTGAAGTGTCGCCTGAACTTCTACTACAACG 589
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 18609;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  650 TCAAGCCTGCTAACGTGGCTCAGGCTACCCTGGGAAACGACGCTACCATCA 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Indels
                                           22ND
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C. STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, STREET. FLR.
                                                                                                                                                                                                                                                 PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2.7%; Score 37.4; DB 4;
47.6%; Pred. No. 0.88;
7ative 0; Mismatches 121;
                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 08/212,322
FILING DATE: 14-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/803,628
FILING DATE: 03-DEC-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                  FILING DATE: 03-0CT-1997
CLASSIFICATION: 435
IOR ADDITO: 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: DOYLE LEARY Ph.D., KATHRYN REGISTRATION NUMBER: 36,317
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9598-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Daviln C.
Campos Neto, Antonio
Houghton, Raymond
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 16, Application US/08818112
Patent No. 6290969
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
```

ó

Thu Feb 20 11:10:39 2003

```
6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 16, Application US/09056556
Patent No. 6350456
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 2.6%;
Best Local Similarity 46.4%;
Matches 110; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 913 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                         Seattle
Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Sealth
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TOPOLOGY: linear
US-08-818-111-16
                                                                                                  98104-7092
                                                            STATE: WA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-056-556-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  325 GCTGCTATCATCACCGAGTGTGTGAACTGTCGCATCAACTTCTACAACGAGAACGCTCCT 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        653 GTTGCCACCGGCCGGCCGGACCCACCGGTCCCGGATCCCCCGTTGCCGCGGTGCC 712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               385 AACTICAACGCIGGAGCIICTACCIGIACCGCIIGICCIGIGAACCGCGIGGGAGGAGGT 444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            445 CTGACCGCTGGAAACGCTGCTACCATCGTGGCTCAGTGTAACGTGGCTTGTCCTACCGGA 504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    773 NTGGCCGCCCCCCCCCCTTGCCGTACAGCCACCCCCGGGTGGCGCCCTTGCCGCTT 832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          505 ACCGCTCTGGACGACGAGTGACCACCGACTACGTGCGCTCTTTCACCGAGTGTGTG 561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 16, Application US/08818111
Fatent No. 61388152
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Skeky, Yasir A.W.
APPLICANT: Campos Netc. Antonia
APPLICANT: Campos Netc. Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Houghton, Raymond
APPLICANT: Twardzik, Danial R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
INTERE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
APPLICANT: Vedvick, Thomas S.
APPLICANT: Twardzik, Daniel R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR IMMUNOTHERAPY
NUMBER OF SEQUENCES: 153
CORRESPONDENCE ADDRESSS:
ADDRESSEE: SEDE and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seatile
STATE: Washington
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; DB 4; Length 913; 0.48;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 36.2; DB 4; Length 9
Pred. No. 0.48;
1; Mismatches 126; Indels
                                                                                                                                                                                                                COMPUTER READABLE FORM:
MDDIUM TYPE: Floppy disk
MDDIUM TYPE: Floppy disk
MDDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
PPLICATION NUMBER: US/08/818,112
FILING DATE: 13-MAR-1997
CLASSIFICATION NUMBER: 210121.411C6
TRECICATION NUMBER: 31,392
REFERENCE/POCKET NUMBER: 210121.411C6
TELEPHONE: (206) 682-6031
INFORMATION FOR SEO ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 913 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
2.6%;
Best Local Similarity 46.4%;
Matches 110; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-818-112-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-818-111-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
```

ö 325 GCTGCTATCATCACCGAGTGTGTGAACTGTCGCATCAACTTGTACAACGAGAAACGCTCCT 384 653 GTTGCCACCGGCCCCGCCGACCCACCGGTCCCCGATCCCCCGGTTGCCGCCGGTGCC 712 385 AACTICAACGCIGGAGCIICTACCIGIACGCIIGICCIGIGAACCGCGIGGGAGGAGCI 444 445 CTGACCGCTGGAAACGCTGCTACCATCGTGGCTCAGTGTAACGTGGCTTGTCCTACCGGA 504 505 ACCGCTCTGGACGACGGAGTGACCACCGACTACGTGCGCTCTTTCACCGAGTGTGTG 561 APPLICANT: Reed, Steven G.
APPLICANT: Read, Yasir A.W.
APPLICANT: Skelky, Yasir A.W.
APPLICANT: Dillon, Davin C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE PREVENTION AND NUMBER OF SEQUENCES: 241
CORRESPONDENCE ADDRESS: ö 2.6%; Score 36.2; DB 4; Length 9 16.4%; Pred. No. 0.48; Lve 1; Mismatches 126; Indels COMPUTER KEALDABLE FURM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFFWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/818,111
FILING DATE: 13-MAR-1997
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 210121.417C6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPAX: (206) 682-6031
INPORMATION FOR SEQ ID NO: 16: ADDRESSEE: SEED and BERRY LLP STREET: 6300 Columbia Center, 701 Fifth Avenue CITY: Seattle

TRE

; 0

```
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: RNA BINDING PROTEIN AND BINDING SITE USEFUL FOR
TITLE OF INVENTION: EXPRESSION OF RECOMBINANT MOLECULES
FILE REPERENCE: SCR21775
CURRENT APPLICATION NUMBER: US/09/613,182
CURRENT FILING DATE: 2000-07-10
PRIOR PAPLICATION NUMBER: 09/431,550
PRIOR PELING DATE: 1999-07-13
PRIOR PELING DATE: 1999-07-13
PRIOR PELING DATE: 1998-01-16
PRIOR PILING DATE: 1998-01-16
PRIOR FILING DATE: 1997-01-12
PRIOR PILING DATE: 1997-01-12
PRIOR PELING DATE: 1997-12-12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     420 TCCTGTGAACCGCGTGGGAGGAGCTCTGACCGCTGGAACGCTGCTACCATCGTGGCTCA 479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        360 CAACTICTACAACGAACGCICCTAACTTCAACGCTGGAGCTICTACCTGTACCGCTTG 419
                                                                                                                                                                                                                                                                                                                                        325 GCTGCTATCATCACCGAGTGTGTGAACTGTCGCATCAACTTCTACAACGAGAACGCTCCT 384
                                                                                                                                                                                                                                                                                                                                                                        653 GTTGCCACCGCCCGCCGCGCACCCACCGCCCCGATCCCCCGTTGCCGCGGTGCC 712
                                                                                                                                                                                                                                                                                                                                                                                                                       385 AACTICAACGCIGGAGCIICIACCIGIACCGCIIGICCIGIGAACCGCGIGGGAGGAGCI 444
                                                                                                                                                                                                                                                                                                                                                                                                                                              445 CICACCGCIGGAAACGCIGCIACCATCGIGGCICAGIGIAACGIGGCIIGICCIACCGGA 504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            505 ACCGCTCTGGACGACGAGTGACCACCGACTACGTGCGCTCTTTCACCGAGTGTGT 561
                                                                                                                                                                                                                                                                                                      .,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 2413;
                                                                                                                                                                                                                                                              Length 913;
                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2.5%; Score 35.8; DB 4;
46.0%; Pred. No. 1;
tive 0; Mismatches 142;
                                                                                                                                                                                                                                                              Score 36.2; DB 4;
Pred. No. 0.48;
1; Mismatches 126;
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.417C9
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEPAS: (206) 682-6031
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISICS:
LENGTH: 913 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Chlamydomonas reinhardtii
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 10, Application US/09613182 ; Patent No. 6294653
                                                                                                                                                                                                                                                                    2.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 14 SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 2.5
Best Local Similarity 46.0
Matches 121; Conservative
                                                                                                                                                                                                                                                                                         Best Local Similarity 46.49
Matches 110; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-613-182-10
                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME/KEY: CDS
LOCATION: (16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 2413
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-613-182-10
                                                                                                                                                                                                             ;
US-09-072-596-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Page SEQ ID NO 10
                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ολ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         δλ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ob
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QΥ
                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                             g
                                                                                                                                                                                                                                                                                                                                                                                                                                   δy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  δŽ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TUBERCULOSIS
                                                                                                                                                                                                                                                                                                                                                                                                                       ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         385 AACTICAACGCIGGAGCTICTACCIGTACCGCTIGICCTGTGAACCGCGTGGGAGGAGCT 444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  445 CTGACCGCTGGAAACGCTGCTACCATCGTGGCTCAGTGTAACGTGGCTTGTCCTACCGGA 504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 653 GTTGCCACCGGCCCCGGACCCACCGGTCCCGCCGATCCCCCCGTTGCCGCCGGTGCC 712
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            773 NIGGCCGCCCGCCCGCCGIIGCCGIACAGCCACCCCCGGIGGCGCCGTIGCCGCCAII 832
                                                                                                                                                                                                                                                                                                                                                                                                                                                           325 GCTGCTATCATCACCGAGTGTGTGAACTGTCGCATCAACTTCTACAACGAGAACGCTCCT 384
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           505 ACCGCICIGGACGACGGAGTGACCACCGACIACGIGCGCTCTITCACCGAGTGIGG 561
                                                                                                                                                                                                                                                                                                                                                                                                                       0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Campos-Neto, Antonia
APPLICANT: Houghton, Raymond
APPLICANT: Houghton, Raymond
APPLICANT: Twardzik, Thomas S.
APPLICANT: Lodes, Michael J.
APPLICANT: Lodes, Michael J.
APPLICANT: Lodes, Michael J.
APPLICANT: Gomeries Son, Ronald C.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF OURRESPONDENCES: 350
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                DB 4; Length 913;
                                                                                                                                                                                                                                                                                                                                                                                Score 36.2; DB 4; Length 9 Pred. No. 0.48; 126; Indels 1; Mismatches 126; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3: SEED and BERRY LLP 6300 Columbia Center, 701 Fifth Avenue
                                                                              ATTORNEY AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.457
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 682-4900
TELEPAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/09/072,596
FILING DATE: 05-MAY-1998
                   UMBER: US/09/056,556
07-APR-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 16, Application US/09072596
Patent No. 6458366
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Reed, Steven G.
Skeiky, Yasir A.W.
Dillon, Davin C.
                                                                                                                                                                                                                                                                                                                                                                                       2.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ATTORNEY/AGENT INFORMATION: NAME: Maki, David J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn Rel
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                LENGTH: 913 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                         110; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Seattle
STATE: Washington
                     APPLICATION NUMBER:
FILING DATE: 07-API
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                           linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        98104-7092
                                                                                                                                                                                                                                                                                                                                                                                                          Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 7
US-09-072-596-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                              ropology:
                                                                                                                                                                                                                                                                                                                                                 US-09-056-556-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET:
                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
```

g

g δλ qq ò

ρý

ò:

S

```
756 ACCCGTTGGAAGAAGACGCTGGTGGCAA 782
                                 g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      οy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
651 CGCCGACGTCGCCAAGGCCGCGGCCTGGACGCCGTGTCCGTGGTCAAGAA 710
                                                 GTGTAACGTGGCTTGTCCTACCGGAACCGCTCTGGACGACGGAGTGACCACCGACTACGT 539
                                                                                 540 GCGCTCTTTCACCGAGTGTGTGAAGTGTCGCCTGAACTTCTACTACAACGGAAACAACGG 599
                                                                                                                                          156 CTACAACAACGCTGCTGCTTTCGTGCTTGGAGCTTCTACCTGTACCCCTTGTCCTCAGAA 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                216 GAAGGACGCTGGAGCTCAGCCTAACCCTCCTGCTACCGCTAACCTGGTGACCCAGTGTAA 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  276 CGTGAAGTGTCCTGCAACCGCTATCGCTGGAGGAGCTACCGACTACGCTGCTATCAT 335
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION
TITLE OF INVENTION: OF T. CRUZI INFECTION
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 786;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STATE: washilly....
COUNTRY: USA
IP: 98104-702
ZIP: 98104-702
ZIP: 98104-702
ZUP: 98104-702
ZOMPUTER EADABLE FORM:
WEDIUM TYRE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/403,379A
FILING DATE: 14-MAR-1995
CLASSIFICATION NUMBER: 31,392
REGISTRATION WINBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.406
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATICS:
SEQUENCE GHARACTERISTICS:
LENGTH: 786 base pairs
TYPE: nucleic acid
STAPP: SCOIE 31,379A
TYPE: nucleic acid
STAPP: SCOIE 31,379A
TYPE: nucleic acid
STAPP: SCOIE 34.2; DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ouery Match
2.4%; Score 34.2; DB 1;
Best Local Similarity 47.8%; Pred. No. 1.7;
Matches 99; Conservative 0; Mismatches 108;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    336 CACCGAGTGTGTGAACTGTCGCATCAA 362
                                                                                                                                                                                                                                                                                                                 Sequence 2, Application US/08403379A
Patent No. 5756662
                                                                                                                                                                                         600 AAACACCCCTTTCAACCCTGGAA 622
                                                                                                                                                                                                                 HII IIIII HII
831 TGACAAGATCTTCAACAGGGGA 853
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CITY: Seattle
STATE: Washington
                                                                                                                                                                                                                                                                                                 US-08-403-379A-2
                                                   480
                                                 õ
                                                                                 g
                                                                                                                  ð
                                                                                                                                                     g
                                                                                                                                                                                        õ
                                                                                                                                                                                                                   g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
```

```
156 CTACAACAACGCTGCTTTCGTGCCTGGAGCTTCTACCTGTACCCCTTGTCCTCAGAA 215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        216 GAAGGACGCTGGAGCTCAGCCTAACCCTCCTGCTACCGCTAACCTGGTGACCAGTGTAA 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          276 CGTGAAGTGTCCTGCTGGAACCGCTATCGCTGGAGGAGCTACCGACTACGCTGCTATCAT 335
                                                                               APPLICANT: Head, Steven G.
APPLICANT: Head, Steven G.
APPLICANT: Head, Steven G.
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 2.4%; Score 34.2; DB 2; Length 786; Best Local Similarity 47.8%; Pred. No. 1.7; Matches 99; Conservative 0; Mismatches 108; Indels
                                                                                                                                                                                                                                                                                                                                                  COMPUTER: Floppy disk
COMPUTER: TBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PREDEILIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/929,414
FILING DATE: 15-SEP-1997
ATTORNEY APPLICATION: 530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 15-50.
CLASSIFICATION: 530
ATTORNEY/GERT INFORMATION:
NAME: MAK1, DAVID J.
REGISTRATION NUMBER: 31,392
REGISTRATION NUMBER: 210121.406C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFRAX: (206) 682-6031
TINFORMATION FOR SED ID NO: 2: SEQUENCE CHARACTERISTICS:
LENGTH: 786 base pairs
TYPE: nucleic acid
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      336 CACCGAGTGTGTAACTGTCGCATCAA 362
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              756 ACCCGTTGGAAGAAGGCTGGTGCCAA 782
US-08-929-414-2
Sequence 2, Application US/08929414
Patent No. 5942403
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 3, Application US/09230665
Patent No. 6322595
GENERAL INFORMATION:
APPLICANT: Boyer, Stanton L
                                                                                                                                                                                                                                                                                                                                              ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy of
                                                                                                                                                                                                                                                                                                              Washington
                                                                                                                                                                                                                                             ADDALL
STREET: 6300
TTY: Seattle
                                                                                                                                                                                                                                                                                                                                  USA
                                                                                                                                                                                                                                                                                                                                COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-08-929-414-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-230-665-3
```

ô

```
Score 33.6; DB; Pred. No. 4.5; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 2, Application US/09103840A; Patent No. 6294328; GENERAL INFORMATION: APPLICANT: FLEISCHMAN, Robert D. APPLICANT: WHITE, Owen R. APPLICANT: FRASER, Claire M. APPLICANT: VENTER, John C.
                                                                                                                                                                                                                                                                                                                                                                                                                              ; Sequence 5, Application US/09115446
; Patent No. 6165719
                                  2.4%;
llarity 53.9%;
Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                    Query Match
Best Local Similarity
Matches 69; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     286 CCTGCTGG 293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CCATCITG 288
                                                                                                                                                                                                                                                                                        286 CCTGCTGG 293
                                                                                                                                                                                                                                                                                                                             290 CCATCTIG 283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 14
US-09-103-840A-2/C
                                                                                                                                                                                                                                                                                                                                                                                                RESULT 13
US-09-115-446-5/c
  US-09-115-446-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Local
Matches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         δy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Qγ
                                                                                                                                                                                                                                                 Dp
                                                                                                                                                                  qq
                                                                                                                                                                                                           δ
                                                                                                                                                                                                                                                                                                                                                                                                                                           .;
0
TITLE OF INVENTION: Detergent Composition Comprising Two Cellulase
TITLE OF INVENTION: Components, with and without a Cellulose-Binding Domain
FILE REFERENCE: 6191 Sequence Listing (8 Sequences)
Patent No. 632595
CURRENT APPLICATION NUMBER: US/09/230,665
EARLIER APPLICATION NUMBER: 60/023,125
EARLIER FILING DATE: 1999-01-29
BARLIER FILING DATE: 1996-07-30
NUMBER OF SEQ ID NOS: 8
SSETURE FILING DATE: 1996-07-30
LENGTH: 1473
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        965 ACAAGCCIGICGCCACCAAGCCIGCIACCAAGCCCGICCAACCIGICAACAAGCCCA 1024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        755 ACAACTGGGTGGCTCAGAACACCGAGTGTACCAACTGTGCTCCTAACTTCTACAACAACA 814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                815 ACCCTCCTAACTTCAACCCTGGAAACTCTACCTGTCTGCCTTGTCCTGCTAACAAGGACT 874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              875 ACGGAGCTGAGGCTACCGCTGGAGGAGCTGCTACCCTGGCTAAGCAGTGTAACATCGCTT 934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              935 GTCCTGACGGAACCGCTATCGCTTCTGGAGCTACCAACTACGTGATCCTGCAGACCGAGT 994
                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PERTENT ON OUTDATION:
GENERAL INPORMATION:
APPLICANT: Chandy, George K.
APPLICANT: Gargus, Jay J.
APPLICANT: Gargus, Jay J.
APPLICANT: Gargus, Jay J.
APPLICANT: Gargus, George
APPLICANT: Fantino, Emmanuelle
APPLICANT: Fantino, Emmanuelle
APPLICANT: Fartino, EMManuelle
APPLICANT: FAIRMAN MARKER AND THERAPEUTIC TARGET
TITLE OF INVENTION: MARKER AND THERAPEUTIC TARGET
CURRENT FILING DATE: 1998-07-14
EARLIER FILING DATE: 1998-07-14
EARLIER FILING DATE: 1998-07-15
EARLIER FILING DATE: 1998-01-08
NUMBER OF SEQ ID NOS: 15
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 2521
                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
0
                                                                                                                                                                                                                                                                                                                                                                                                  Score 33.8; DB 4; Length 1 Pred. No. 3.1; 0; Mismatches 142; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1, Application US/09115446 patent No. 6165719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    995 GTCTGAACTGTGCTGCTAACT 1015
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1205 ACTCCCAGTGTGCCCCAACT 1225
                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 2.4%;
Best Local Similarity 45.6%;
Matches 119; Conservative
                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Fusarium oxysporum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: CDS
LOCATION: (287)...(2479)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                            ; LOCATION: (97)..(1224)
US-09-230-665-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-115-446-1/c
                                                                                                                                                                                                                                                                                                                             NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             οý
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               οp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        δλ
```

```
ö
                                          .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    226 GGAGCTCAGCCTAACCCTCCTGCTACCGCTAACCTGGTGACCCAGTGTAACGTGAAGTGT 285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GCTGCTGCTTTCGTGCCTGGAGCTTCTACCTGTACCCCTTGTCCTCAGAAGAAGGACGCT 225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   166 GCTGCTGCTTTCGTGCCTGCGGAGCTTCTACCTGTACCCCTTGTCCTCAGAAGAAGACGCT 225
                                                                                                                                                                                226 GGAGCTCAGCCTAACCCTGCTACCGCTAACCTGGTGACCCAGTGTAACGTGAAGTGT 285
                                                                                                                                                                                                                     GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Chandy, George K.
APPLICANT: Gargus, Jay J.
APPLICANT: Gargus, Jay J.
APPLICANT: Gargus, Jay J.
APPLICANT: Gargus, General General George
APPLICANT: Fantino, Emmanuelle
APPLICANT: Kalman, Katarin
TITLE OF INVENTION: ACTIVATED POTASSIUM CHANNEL: A DIAGNOSTIC
TITLE OF INVENTION: ACTIVATED POTASSIUM CHANNEL: A DIAGNOSTIC
TITLE OF INVENTION: MARKER AND THERAPEUTIC TARGET
FILE REFERENCE: 07306/014001
FILE REFERENCE: 1998-07-14
CURRENT PAPLICATION NUMBER: 06/052,556
EARLIER FILING DATE: 1998-07-15
EARLIER APPLICATION NUMBER: 60/070,741
EARLIER PILING DATE: 1998-01-08
NUMBER OF SEQ ID NOSE: 15
SOFTWARE: FASLEEQ for Windows Version 4.0
SSEQ ID NO 55
SSEQ ID NO 55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
0
                                          0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 2526;
Length 2521;
                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ch 2.4%; Score 33.6; DB 4; 1 Similarity 53.9%; Pred. No. 4.5; 69; Conservative 0; Mismatches 59.
  DB 4;
```

ö

Length 1235 Indels

91; DB 2;

Score 33.4; Di Pred. No. 3.7; 0; Mismatches

```
200 CCCCTTGTCCTCAGAAGAAGGACGCTGGAGCTCAGCCTAACCCTCCTGCTACCGCTAACC 259
                                                                                                                                                                                                                                                                                                                                             260 TGGTGACCCAGTGTAACGTGAAGTGTCCTGCAACCGCTATCGCTGGAGGAGGTACCG 319
                                                                                                                                                                                                                                                                                     600 AGGCCGCTGCTCCACCCGCGAAGGCTGCTGCTCCACCGCGAAGGCTGCTGCACCGG 659
                                                                                                                                                                                                                                                                                                                                                                                                                                 320 ACTACGCTGCTATCATCACCGAGTGTGAACTGTCGCATCAACTTCTACAACGAGAAC 378
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Search completed: February 16, 2003, 23:43:45 Job time : 4372.94 secs
                                                                                                                                                                             2.48;
                               ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-557-3098-53
                                                                                                                                                                                           Best Local Similarity 49.2
Matches 88; Conservative
                        SEQUENCE CHARACTERISTICS:
LENGTH: 1235 base pair
                                                                                                                                                                                                                                                                                                  q
                                                                                                                                                                                                                                                                                                                                                .. Qy
                                                                                                                                                                                                                                                                                                                                                                                      qq
                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PREVENTION OF T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Db 3937151 TGCCGCCGTTACCGCCCATTGCCACCTGTGCCGGCGTCGCCGCCGTCGCCGCCGCTCGCCGC 3937092
                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Db 3937091 CGTCGGCTCCACCTGCCCGGCCGCCCACCACCGCTTACCGCCTTGTCCACCGG 3937032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTHER INFORMATION: CDC 1551

OTHER INFORMATION: "n" bases at various positions throughout the sequence US-09-103-840A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                     246 TGCTACCGCTAACCTGGTGACCCAGTGTAACGTGAAGTCTCCTGCTGGAACCGCTATCGC 305
TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM TITLE OF INVENTION: TUBERCULOSIS
FILE REFERENCE: 24366-2007.00
CURRENT APPLICATION NUMBER: U$/09/103,840A
CURRENT FILING DATE: 1998-06-24
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PATENTIN VEr. 2.1
SEQ ID NO 2
LENGTH: 4403765
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        306 TGGAGGAGCTACCGACTACGCTGCTATCATCACGGAGTGTGTGAACTGTCGCATCAACTT 365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            366 CTACAACGAGAACGCTCCTAACTTCAACGCTGGAGCTTCTACCTGTACCGCTTGTCCTGT 425
                                                                                                                                                                                                                                                                                                                                                                                                                          0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Reed, Steven G.
APPLICANT: Seal Xy, Yaslr A.W.
APPLICANT: Godes, Michael J.
APPLICANT: Houghton, Raymond L.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DETECTION AND NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                 Length 4403765;
                                                                                                                                                                                                                                                                                                                                                                  Ouery Match 2.4%; Score 33.6; DB 4; Length 4
Best Local Similarity 47.2%; Pred. No. 62;
Matches 102; Conservative 0; Mismatches 114; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Db 3936971 CGTCGCCGCGCGCCACCCTGACCCCCGGTCCCGC 3936936
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRAILING SISIEM: F. LOSOFING LOSOFING B. 30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/557,309B
FILING DATE: 14-NOV-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               426 GAACCGCGTGGGAGGAGCTCTGACCGCTGGAAACGC 461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            210121.422
                                                                                                                                                                                           TYPE: DNA ORGANISM: Mycobacterium tuberculosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 53, Application US/08557309B
Patent No. 5916572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               REFERENCE/DOCKET NUMBER: 21(
TELECOMMUNICATION INFORMATION: 1206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 53:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         98104-7092
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Seattle
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 15
US-08-557-309B-53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ð
```

		•